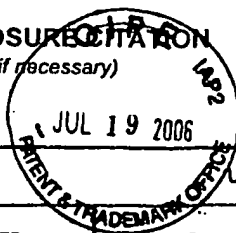


**INFORMATION DISCLOSURE CITATION**  
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PPI-14102/08

APPLICANT(S)

R. Charles Murray

FILING DATE

April 17, 2006

10/576,215

10576215 - GAU: 3753

GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,358,466	11/9/82	Stevenson	426	106	
	4,404,241	9/13/83	Mueller et al.	428	35	
	4,419,373	12/6/83	Oppermann	426	234	
	4,490,597	12/25/84	Mengel	219	10.55 E	
	4,529,089	7/16/85	Gasbarra et al.	206	525	
	4,574,174	3/4/86	McGonigle	219	10.55 M	
	4,640,838	2/3/87	Isakson et al.	426	107	
	4,653,661	3/31/87	Buchner et al.	220	209	
	4,746,019	5/24/88	Prater	206	625	
	4,786,513	11/22/88	Monforton et al.	426	107	
	4,834,554	5/30/89	Steller, Jr. et al.	383	100	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	DE 41 22 077 A1	1/7/93	Germany			✓	
	EP 0 069 264 A1	1/12/83	Europe			✓	
	EP 0 149 695 A1	7/31/85	Europe			✓	
	EP 0 198 362 A2	10/22/86	Europe			✓	
	EP 0 218 419 A1	4/15/87	Europe			✓	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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PPI-14102/08		10/576215
APPLICANT(S) <b>R. Charles Murray</b>		10576215 - GAU: 3753
FILING DATE <b>April 17, 2006</b>	GROUP ART UNIT	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,859,822	8/22/89	Ragusa et al.	219	10.55 E	
	4,865,854	9/12/89	Larson	426	107	
	4,961,944	10/9/90	Matoba et al.	426	107	
	4,987,280	1/22/91	Kanafani et al.	219	10.55 M	
	5,147,272	9/15/92	Richison et al.	493	195	
	5,263,777	11/23/93	Domke	383	103	
	5,326,176	7/5/94	Domke	383	103	
	5,388,910	2/14/95	Koyanagi	383	100	
	5,587,192	12/24/96	Beizermann	426	118	
	5,780,824	7/14/98	Matos	219	727	
	5,806,703	9/15/98	Grandi	220	203.15	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 303 428 A2	2/15/89	Europe			✓	
	EP 0 462 767 A2	12/27/91	Europe			✓	
	EP 0 478 812 A1	4/8/92	Europe			✓	
	EP 0 597 741 A1	5/18/94	Europe			✓	
	EP 0 659 657 A1	6/28/95	Europe			✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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R. Charles Murray

10576215 - GAU: 3753

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GROUP ART UNIT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2,850,391	9/2/58	Gunsberg	99	171	
	3,432,087	3/11/69	Costello	229	62.5	
	3,659,584	5/2/72	Doyle et al.	126	369	
	3,672,907	6/27/72	Hudson	99	1	
	3,716,180	2/13/73	Berniss et al.	229	43	
	3,799,427	3/26/74	Goglio	229	62.5	
	3,854,023	12/10/74	Levinson	219	10.55	
	3,949,934	4/13/76	Goglio	229	62.5	
	4,141,487	2/27/79	Faust et al.	229	43	
	4,210,674	7/1/80	Mitchell	426	107	
	4,261,504	4/14/81	Cowan	229	43	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	DE 1 903 048	9/4/69	Germany				✓
	DE 2 360 126	6/6/74	Germany			✓	
	DE 25 49 855 A1	9/22/77	Germany				✓
	DE 27 32 661 A1	2/1/79	Germany				✓
	DE 31 25 496 A1	1/13/83	Germany			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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PPI-14102/08		10/576.215
APPLICANT(S) R. Charles Murray		105/6215 - GAU: 3753
FILING DATE April 17, 2006	GROUP ART UNIT	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,928,553	7/27/99	Toshima et al.	219	725	
	5,974,686	11/2/99	Nomura et al.	34	263	
	5,989,608	11/23/99	Mizuno	426	113	
	6,380,524 B1	4/30/02	Keller	219	725	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 795 482 A2	9/17/97	Europe			✓	
	63-307085	12/14/88	Japan			✓	
	NL A 9301592	4/3/95	Netherlands			✓	
	WO 95/26912	10/23/95	WIPO			✓	
	WO 99/32372	7/1/99	WIPO			✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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ATTY DOCKET NO.

PPI-14102/08

APPLICATION NO.

10576215 GAU: 3753

APPLICANT(S)

R. Charles Murray

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GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,607,764	08/2003	Keller, Karl	426	107	
	6,733,803	05/2004	Vidkjaer, Karsten			
	3,865,302	02/1975	Kane, William P.	229	123.1	
	5,370,883	12/1994	Saunier, Christiane-Monique	426	107	
	5,345,069	09/1994	Grindrod, Paul E.	219	730	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2001/0012530	08/2001	Hiyoshi, Sachiko	426	118	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	<del>WO 99/32373</del>	<del>07/1999</del>	<del>WIPO</del>				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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ATTORNEY DOCKET NO.

PPI-14102/08

10576213- GAU: 3753

APPLICANT(S)

R. Charles Murray

FILING DATE

April 17, 2006

GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,039,001	08/1991	Kinigakis et al.	229	120	
	6,066,346	05/2000	Hunt et al.	426	107	
	4,994,638	02/1991	Lorns et al.	219	732	
	6,844,534	01/2005	Haamer, Joel	219	700	
	6,814,991	11/2004	Hiyoshi, Sachiko	426	113	

**U.S. PATENT APPLICATION PUBLICATIONS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

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APPLICATION NO.

10576215 GAU: 3753

APPLICANT(S)

R. Charles Murray

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GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,468,471	09/1969	Linder Fritz	206	439	
	4,206,870	06/1980	DeVries, Egbert	383	103	
	4,873,101	10/1989	Larson et al.	426	113	

**U.S. PATENT APPLICATION PUBLICATIONS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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PPI-14102/08

APPLICATION NO.

0576215 - GAU: 3753  
10/576,215

APPLICANT(S)

R. Charles Murray

FILING DATE

April 17, 2006

GROUP ART UNIT

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<del>3,432,007</del>	<del>03/11/1969</del>	<del>Costello</del>	<del>330</del>	<del>62.5</del>	
	<del>3,949,934</del>	<del>04/13/1976</del>	<del>Coglio</del>	<del>330</del>	<del>62.5</del>	
	4,444,219	04/24/1984	Hollenstein	137	246	
	5,354,133	10/11/1994	Rapparini	383	103	
	<del>5,389,008</del>	<del>11/23/1999</del>	<del>Mizuno</del>	<del>426</del>	<del>119</del>	

## **U.S. PATENT APPLICATION PUBLICATIONS**

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							YES	NO

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				R. Charles Murray			
				FILING <b>April 17, 2006</b>		GROUP ART	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		<del>6,388,524</del>	<del>04/30/2002</del>	<del>Keller</del>	<del>219</del>	<del>735</del>	

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			

EXAMINER /William McCalister/	DATE CONSIDERED 01/07/2009
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